SUMMARY

Analytical Services [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, and Cost/Schedule data contained herein is as of January 31, 2000. All other information is as of March 10, 2000.

Preparations were conducted for headspace gas sampling and analysis of 5 TRU waste containers planned for early January 2000. A case narrative was built to validate the adequacy of the previously analyzed 107 drums. The data report will support the January 24, 2000 Carlsbad Area Office audit of Hanford's TRU Program WIPP certification. Technical issues related to Field Reference Standard Certification of Summa Canister Assemblies (SCA) have been successfully resolved.

Milestone performance (EA, DOE-HQ and RL) shows no milestones are due this reporting period.

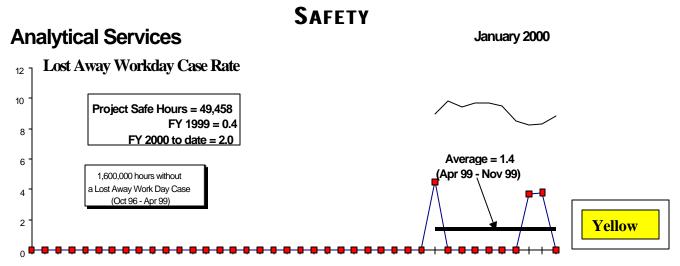
ACCOMPLISHMENTS

- Performed 1.9 Analytical Equivalency Units (AEU) (FYTD) through January 2000 at the 222-S Laboratory in support of the RPP (TWRS) tank characterization program as planned. Received six segments from AY-101, 10 grab samples from AP-101, and completed extrusions of six AY-101 segments, all as planned. Completed grab sample analysis on SY-102 and AP-108 on schedule. Analytical output lagged in the first four months due to failed hot cell manipulators and a shortage of health physics technicians. However, February and March output has been high and the shortfall will be eliminated by the end of the month. A total of 4.0 AEUs have been processed through March 3, 2000.
- Procedures, methods, equipment, and training all had to be significantly revised to meet the new WIPP permit from the State of New Mexico. All these changes had to be done rapidly to meet overall project audit and shipment schedules. Performed 3,000 analyses (FYTD) through January 2000 at WSCF for a wide variety of customers as planned.
- Completed the Facility Evaluation Board audit at the 222-S and WSCF laboratories in January 2000. The final FEB report was issued in February 2000 with improvements in 9 of 10 areas and an overall rating of "3".

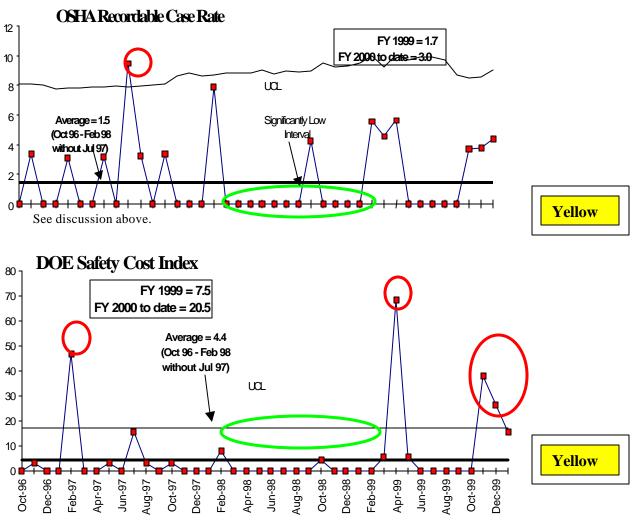
SAFETY

Notes: Although a small organization (meaning a single case gives a high case per hour figure), the three recent (April, November and December 1999) Lost Away Workday cases should be examined closely as they do reflect a significant increase over previous history. The AS Lost Workday Case Rate is significantly higher than the PHMC average. There is a significant increase in the Lost/Restricted Workday Case Rate for Nov 99 - Jan 00.

OSHA recordable case rate and DOE Safety Cost Index have been chosen by DOE HQ as ISMS performance indicators, reference T J GLAUTHIER memorandum of December 3, 1999.



The two lost away case in FY 2000 were a result of an employee falling from a chair and a knee abrasion that progressed to complications despite continued attention from medical providers.



All employee stand-down meetings were held at 222-S January 14, 2000 to refocus on safety and personal and team accountability.

CONDUCT OF OPERATIONS / ISMS STATUS CONDUCT OF OPERATIONS

Analytical Services Conduct of Operations is included in the Waste Management Project Section of this report.

ISMS STATUS

Completed activities:

- Established a Waste Management Project/ Analytical Services (WMP/AS) core team in December 1999 to assure the accelerated ISMS integration schedule would be met
- Drafted systems descriptions of the integrated management systems for WMP and AS
- Completed first session of ISMS training for all WMP and AS personnel

Planned actions:

• Issue authorization agreements for Cat 2 nuclear facilities

Green

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Breakthroughs / Opportunities for Improvement Breakthroughs

Nothing to report.

Opportunities for Improvement

Nothing to report.

UPCOMING ACTIVITIES

WIPP Certification and Waste Shipments -- Discussions are underway to obtain CAO support for the closure audit in the late March time frame. Complete WIPP Certification and initiate TRU shipments in the spring of 2000. Staff is expediting analytical work and data reports to provide additional qualified drums for shipment to WIPP. Potential issues with some prior sampled drums make this a necessity.

242A Evaporator Operations – Due to inadequate feed material from tank farms, expedited analysis of a second tank is being done to support the planned April 2000 campaign.

ORP Readiness to Proceed -- It has been determined that Analytical Services is prepared to support the readiness to proceed decision for the BNFL contract. Key follow-up actions are:

- Formal specification of requirements from ORP to RL and then to FH
- Stable funding of needed equipment and facility repair in Multi-Year Work Plans (RL and ORP)
- Funding replacement of obsolete laboratory support systems (Information Management)
- Funding of staff to maintain core competency

Laboratory FEB -- Support the FEB issuance of the final report and address applicable findings and observations

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Analytical Services	\$8.7	\$8.8	- \$0.1

The \$0.1 million (1.1 percent) unfavorable cost variance is within the established threshold.

SCHEDULE PERFORMANCE (\$M):

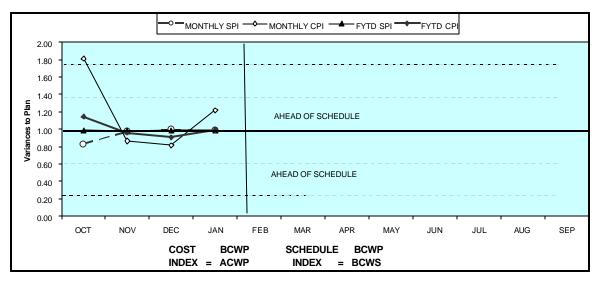
	BCWP	BCWS	VARIANCE
Analytical Services	\$8.7	\$8.8	- \$0.1

The \$0.1 million (1.5 percent) unfavorable schedule variance is within the established threshold.

ANALYTICAL SERVICES STATUS WBS 1.24

	FY 2000		Sched ulativ						nd Type	es		
				F	YTD						PROJECTED	Rating
	By PBS	BCWS	BCWP	ACWP	sv	%	cv	%	BAC	EAC	FUNDING	
WM06	Analytical Services	8797	8662	8765	-135	-1.5%	-103	-1.2%	27,281	28,473	26,618	Green
	Total	8797	8662	8765	-135	-1.5%	-103	-1.2%	27,281	28,473	26618	

COST/SCHEDULE PERFORMANCE INDICES (JANUARY 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.83	0.98	0.99	0.98								
MONTHLY CPI	1.81	0.87	0.81	1.22								
FYTD SPI	0.99	0.98	0.99	0.98								
FYTD CPI	1.14	0.96	0.91	0.99								
MONTHLY BCWS	\$7.913	\$2,340	\$1.973	\$2.896								
MONTHLY BCWP	\$6.543	\$2,288	\$1,961	\$2.847								
MONTHLY ACWP	\$3,613	\$2,640	\$2,414	\$2.342								
FYTD BCWS	\$1,588	\$3,928	\$5,901	\$8,797								
FYTD BCWP	\$1,566	\$3.854	\$5.815	\$8.662								
FYTD ACWP	\$1,369	\$4.009	\$6,423	\$8,765								

Note: PHMC cost only (other site contractors not included).

ISSUES

Technical Issues

Issues were self-identified in the WSCF laboratory's conformance to certain customer's (200 ETF, 300 TEDF) permit-mandated regulatory protocols (sample digestion, holding times and accreditation status).

Impact(s): Impacts could be discharge permit violation depending on the type of samples. A regulatory penalty is unlikely.

Corrective Action: Corrective actions are being taken in each area and customers have been notified to enable impact assessment. Rework of useable archived samples has been done.

DOE/Regulator/External Issues

Certification of Hanford's TRU Project is necessary to initiate waste shipment to WIPP. Continue working with the Carlsbad Area Office, the Environmental Protection Agency and the New Mexico Environment Department to achieve WIPP certification of Hanford's TRU Project. Complete lab support required for headspace gas sampling and analysis.

Cost Variance Analysis: (- \$0.1M)

WBS/PBS Title

1.2.4/WM06 Analytical Services

Description/Cause: The unfavorable cost variance is of \$0.1 million (1.1 percent) is within established

thresholds.

Impact: No impact.

Corrective Action: None required.

Schedule Variance Analysis: (- \$0.1M)

WBS/PBS <u>Title</u>

1.2.4/WM06 Analytical Services

Description /Cause: The unfavorable schedule variance of \$0.1M (1.5 percent) is within established

threshold.

Impact: None

Corrective Action: None required.

Baseline Change Requests Currently in Process (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STAT
WM-2000-002*	1/3/00	Waste Management FY 2000 Mandated Funds Reductions	(\$878.50)			2/17/00			On hold pending evaluation of performance
		ADVA	NCE WORK	(AUT	HORIZ	ATIONS			

ANALYTICAL SERVICES – WBS 1.2.4 MILESTONE ACHIEVEMENT

	FISCAL YEAR-TO-DATE				REMAIN			
MILESTONE TYPE	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	TOTAL FY 2000
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
FO	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	1	0	1
Total Project	0	0	0	0	0	1	0	1

Tri-Party Agreement / EA Milestones					
Nothing to report.					
	DNFSB Commitments				
Nothing to report.					

MILESTONE EXCEPTION REPORT

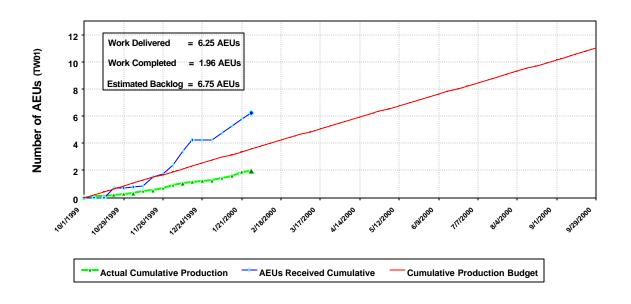
Number/WBS Level Milestone Title Date

Overdue - 0

FORECAST LATE - 0

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PERFORMANCE OBJECTIVES



Continue working with RPP on 222-S laboratory production integration to reduce the backlog shown above. Will meet September 2000 commitment of eleven AEUs.



KEY INTEGRATION ACTIVITIES

- Support ORP Privatization Readiness-to-Proceed activities
- Continue to support BNFL efforts to establish required analytical support for glassification operations.
 - In the longer term, BNFL could utilize unused space at WSCF for cold run test support and process laboratory analytical equipment testing.
 - The 222-S laboratory, with some refurbishment might become a low cost option to a new large scale laboratory associated with the glassification facility
- Continue to support RL with the WSCF path-forward study which evaluates the spectrum of services WSCF provides versus other potential options.
 - Discussions by the Site Management Board is planned in late April 2000